



: Mr.KIRAN RAMESH NAGAWADE

Age/Gender

: 37 Y 6 M 0 D/M

UHID/MR No

Visit ID

: CKHA.0000067092

Ref Doctor

: CKHAOPV98828

Emp/Auth/TPA ID

: Dr.SELF

: 95133

Collected

: 21/Jun/2023 09:28AM

Received

: 21/Jun/2023 01:02PM : 21/Jun/2023 02:30PM

Reported Status

: Final Report

Sponsor Name

: ARCOFEMI HEALTHCARE LIMITED

# **DEPARTMENT OF HAEMATOLOGY**

ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - TMT - PAN INDIA - FY2324

PERIPHERAL SMEAR, WHOLE BLOOD-EDTA

RBCs ARE NORMOCYTIC NORMOCHROMIC.

TLC, DLC WITHIN NORMAL LIMIT. NO IMMATURE CELLS ARE SEEN.

PLATELETS ARE ADEQUATE.

NO HEMOPARASITES SEEN.

Page 1 of 13





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DEPARTMENT OF HAEMATOLOGY							
ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - TMT - PAN INDIA - FY2324							
Test Name Result Unit Bio. Ref. Range Method							

PCV	15.4	g/dL	13-17	Spectrophotometer
O.V	45.20	%	40-50	Electronic pulse & Calculation
RBC COUNT	5.11	Million/cu.mm	4.5-5.5	Electrical Impedence
<b>ICV</b>	88.4	fL	83-101	Calculated
<b>ICH</b>	30.1	pg	27-32	Calculated
/ICHC	34.1	g/dL	31.5-34.5	Calculated
R.D.W	13.8	%	11.6-14	Calculated
OTAL LEUCOCYTE COUNT (TLC)	5,870	cells/cu.mm	4000-10000	Electrical Impedanc
DIFFERENTIAL LEUCOCYTIC COUNT (I	DLC)			
IEUTROPHILS	63.8	%	40-80	Electrical Impedanc
YMPHOCYTES	28.2	%	20-40	Electrical Impedanc
OSINOPHILS	1.1	%	1-6	Electrical Impedanc
MONOCYTES	6.6	%	2-10	Electrical Impedanc
BASOPHILS	0.3	%	<1-2	Electrical Impedanc
ABSOLUTE LEUCOCYTE COUNT				
IEUTROPHILS	3745.06	Cells/cu.mm	2000-7000	Electrical Impedanc
YMPHOCYTES	1655.34	Cells/cu.mm	1000-3000	Electrical Impedanc
OSINOPHILS	64.57	Cells/cu.mm	20-500	Electrical Impedanc
MONOCYTES	387.42	Cells/cu.mm	200-1000	Electrical Impedanc
BASOPHILS	17.61	Cells/cu.mm	0-100	Electrical Impedanc
PLATELET COUNT	232000	cells/cu.mm	150000-410000	Electrical impedenc
RYTHROCYTE SEDIMENTATION RATE (ESR)	2	mm at the end of 1 hour	0-15	Modified Westergre

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ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - TMT - PAN INDIA - FY2324							
Test Name Result Unit Bio. Ref. Range Method							

BLOOD GROUP ABO AND RH FACTOR, WHOLE BLOOD-EDTA					
BLOOD GROUP TYPE	0	Microplate Hemagglutination			
Rh TYPE	Positive	Microplate Hemagglutination			





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DEPARTMENT OF BIOCHEMISTRY							
ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - TMT - PAN INDIA - FY2324							
Test Name	Test Name Result Unit Bio. Ref. Range Method						

GLUCOSE, FASTING, NAF PLASMA	111	mg/dL	70-100	HEXOKINASE
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# **Comment:**

As per American Diabetes Guidelines

Fasting Glucose Values in mg/d L	Interpretation
<100 mg/dL	Normal
100-125 mg/dL	Prediabetes
≥126 mg/dL	Diabetes





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DEPARTMENT OF BIOCHEMISTRY								
ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - TMT - PAN INDIA - FY2324								
Test Name	Test Name Result Unit Bio. Ref. Range Method							

GLUCOSE, POST PRANDIAL (PP), 2	118	mg/dL	70-140	HEXOKINASE	1
HOURS, NAF PLASMA					

## **Comment:**

It is recommended that FBS and PPBS should be interpreted with respect to their Biological reference ranges and not with each

Conditions which may lead to lower postprandial glucose levels as compared to fasting glucose levels may be due to reactive hypoglycemia, dietary meal content, duration or timing of sampling after food digestion and absorption, medications such as insulin preparations, sulfonylureas, amylin analogues, or conditions such as overproduction of insulin.

Ref: Marks medical biochemistry and clinical approach







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**Test Name** 

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: 21/Jun/2023 09:28AM

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#### **DEPARTMENT OF BIOCHEMISTRY** ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - TMT - PAN INDIA - FY2324 Result Unit Bio. Ref. Range Method

HBA1C, GLYCATED HEMOGLOBIN,	5.7	%	HPLC
WHOLE BLOOD-EDTA			
ESTIMATED AVERAGE GLUCOSE (eAG),	117	mg/dL	Calculated
WHOLE BLOOD-EDTA			

#### **Comment:**

Reference Range as per American Diabetes Association (ADA):

REFERENCE GROUP	HBA1C IN %
NON DIABETIC ADULTS >18 YEARS	<5.7
AT RISK (PREDIABETES)	5.7 - 6.4
DIAGNOSING DIABETES	≥ 6.5
DIABETICS	
· EXCELLENT CONTROL	6 – 7
· FAIR TO GOOD CONTROL	7 - 8
· UNSATISFACTORY CONTROL	8 - 10
· POOR CONTROL	>10

Note: Dietary preparation or fasting is not required.

- 1. A1C test should be performed at least two times a year in patients who are meeting treatment goals (and who have stable glycemic control).
- 2. Lowering A1C to below or around 7% has been shown to reduce microvascular and neuropathic complications of type 1 and type 2 diabetes. When mean annual HbA1c is <1.1 times ULN (upper limit of normal), renal and retinal complications are rare, but complications occur in >70% of cases when HbA1c is >1.7 times ULN.
- 3. Falsely low HbA1c (below 4%) may be observed in patients with clinical conditions that shorten erythrocyte life span or decrease mean erythrocyte age. HbA1c may not accurately reflect glycemic control when clinical conditions that affect erythrocyte survival are present. Fructosamine may be used as an alternate measurement of glycemic control

Page 6 of 13







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DEPARTMENT OF BIOCHEMISTRY						
ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - TMT - PAN INDIA - FY2324						
Test Name Result Unit Bio. Ref. Range Method						

LIPID PROFILE , SERUM				
TOTAL CHOLESTEROL	182	mg/dL	<200	CHO-POD
TRIGLYCERIDES	301	mg/dL	<150	GPO-POD
HDL CHOLESTEROL	45	mg/dL	40-60	Enzymatic Immunoinhibition
NON-HDL CHOLESTEROL	137	mg/dL	<130	Calculated
LDL CHOLESTEROL	76.94	mg/dL	<100	Calculated
VLDL CHOLESTEROL	60.13	mg/dL	<30	Calculated
CHOL / HDL RATIO	4.04		0-4.97	Calculated

#### **Comment:**

Reference Interval as per National Cholesterol Education Program (NCEP) Adult Treatment Panel III Report.

	Desirable	Borderline High	High	Very High
TOTAL CHOLESTEROL	< 200	200 - 239	≥ 240	
TRIGLYCERIDES	<150	150 - 199	200 - 499	≥ 500
11 1 11	Optimal < 100 Near Optimal 100-129	130 - 159	160 - 189	≥ 190
HDL	<u>≥</u> 60			
INCN-HDI (HOLESTEROL	Optimal <130; Above Optimal 130-159	160-189	190-219	>220

Measurements in the same patient can show physiological and analytical variations.

NCEP ATP III identifies non-HDL cholesterol as a secondary target of therapy in persons with high triglycerides.





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DEPARTMENT OF BIOCHEMISTRY							
ARCOFEMI - MEDIWHEEL	- FULL BODY ANNU	JAL PLUS MAL	E - TMT - PAN INDIA - F	Y2324			
Test Name	Result	Unit	Bio. Ref. Range	Method			

LIVER FUNCTION TEST (LFT) , SERUM				
BILIRUBIN, TOTAL	0.96	mg/dL	0.3-1.2	DPD
BILIRUBIN CONJUGATED (DIRECT)	0.17	mg/dL	<0.2	DPD
BILIRUBIN (INDIRECT)	0.79	mg/dL	0.0-1.1	Dual Wavelength
ALANINE AMINOTRANSFERASE (ALT/SGPT)	34.6	U/L	<50	IFCC
ASPARTATE AMINOTRANSFERASE (AST/SGOT)	28.3	U/L	<50	IFCC
ALKALINE PHOSPHATASE	86.54	U/L	30-120	IFCC
PROTEIN, TOTAL	7.11	g/dL	6.6-8.3	Biuret
ALBUMIN	4.05	g/dL	3.5-5.2	BROMO CRESOL GREEN
GLOBULIN	3.06	g/dL	2.0-3.5	Calculated
A/G RATIO	1.32	-	0.9-2.0	Calculated





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Test Name	Result	Unit	Bio. Ref. Range	Method	

RENAL PROFILE/KIDNEY FUNCTION TEST (RFT/KFT) , SERUM				
CREATININE	0.86	mg/dL	0.72 – 1.18	Modified Jaffe, Kinetic
UREA	20.38	mg/dL	17-43	GLDH, Kinetic Assay
BLOOD UREA NITROGEN	9.5	mg/dL	8.0 - 23.0	Calculated
URIC ACID	6.61	mg/dL	3.5–7.2	Uricase PAP
CALCIUM	9.17	mg/dL	8.8-10.6	Arsenazo III
PHOSPHORUS, INORGANIC	2.18	mg/dL	2.5-4.5	Phosphomolybdate Complex
SODIUM	141.14	mmol/L	136–146	ISE (Indirect)
POTASSIUM	4.1	mmol/L	3.5–5.1	ISE (Indirect)
CHLORIDE	104.19	mmol/L	101–109	ISE (Indirect)





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DEPARTMENT OF BIOCHEMISTRY	

ARCOFEMI - MEDIWHEEL	- FULL BODY ANNUAL PLUS MALE - TN	IT - PAN INDIA - FY2324

Unit **Test Name** Result Bio. Ref. Range Method

GAMMA GLUTAMYL TRANSPEPTIDASE (GGT), SERUM

36.50

U/L

<55

**IFCC** 





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DEPARTMENT OF IMMUNOLOGY				
ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - TMT - PAN INDIA - FY2324				
Test Name	Result	Unit	Bio. Ref. Range	Method

THYROID PROFILE TOTAL (T3, T4, TSH), SERUM				
TRI-IODOTHYRONINE (T3, TOTAL)	1.09	ng/mL	0.7-2.04	CLIA
THYROXINE (T4, TOTAL)	8.42	μg/dL	6.09-12.23	CLIA
THYROID STIMULATING HORMONE (TSH)	2.107	μIU/mL	0.34-5.60	CLIA

## **Comment:**

Serum TSH concentrations exhibit a diurnal variation with the peak occurring during the night and the nadir occurring between 10 a.m. and 4 p.m.In primary hypothyroidism, thyroid-stimulating hormone (TSH) levels will be elevated. In primary hyperthyroidism, TSH levels will be low. Elevated or low TSH in the context of normal free thyroxine is often referred to as subclinical hypo- or hyperthyroid-ism, respectively. Physiological rise in Total T3 / T4 levels is seen in pregnancy and in patients on steroid therapy.

Recommended test for T3 and T4 is unbound fraction or free levels as it is metabolically active.

#### Note:

For pregnant females	Bio Ref Range for TSH in uIU/ml (As per American Thyroid Association)
First trimester	0.1 - 2.5
Second trimester	0.2 - 3.0
Third trimester	0.3 - 3.0





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DEPARTMENT OF CLINICAL PATHOLOGY						
ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - TMT - PAN INDIA - FY2324						
Test Name	Result	Unit	Rio Ref Range	Method		

COMPLETE URINE EXAMINATION (CI	<b>JE)</b> , URINE			
PHYSICAL EXAMINATION				
COLOUR	PALE YELLOW		PALE YELLOW	Visual
TRANSPARENCY	CLEAR		CLEAR	Visual
рН	6.0		5-7.5	DOUBLE INDICATOR
SP. GRAVITY	>1.025		1.002-1.030	Bromothymol Blue
BIOCHEMICAL EXAMINATION				
URINE PROTEIN	NEGATIVE		NEGATIVE	PROTEIN ERROR OF INDICATOR
GLUCOSE	NEGATIVE		NEGATIVE	GLUCOSE OXIDASE
URINE BILIRUBIN	NEGATIVE		NEGATIVE	AZO COUPLING REACTION
URINE KETONES (RANDOM)	NEGATIVE		NEGATIVE	SODIUM NITRO PRUSSIDE
UROBILINOGEN	NORMAL		NORMAL	MODIFED EHRLICH REACTION
BLOOD	NEGATIVE		NEGATIVE	Peroxidase
NITRITE	NEGATIVE		NEGATIVE	Diazotization
LEUCOCYTE ESTERASE	NEGATIVE		NEGATIVE	LEUCOCYTE ESTERASE
CENTRIFUGED SEDIMENT WET MO	UNT AND MICROSCOPY			
PUS CELLS	2 - 3	/hpf	0-5	Microscopy
EPITHELIAL CELLS	1 - 2	/hpf	<10	MICROSCOPY
RBC	NIL	/hpf	0-2	MICROSCOPY
CASTS	NIL		0-2 Hyaline Cast	MICROSCOPY
CRYSTALS	ABSENT		ABSENT	MICROSCOPY





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Test Name	Result	Unit	Bio. Ref. Range	Method			

URINE GLUCOSE(POST PRANDIAL)	POSITIVE +++	NEGATIVE	Dipstick	
URINE GLUCOSE(FASTING)	NEGATIVE	NEGATIVE	Dipstick	

\*\*\* End Of Report \*\*\*

Dr Smeha Shah

MBBS, MD (Pathology) Consultant Pathologist Dr Sanjay Ingle M. B. S. MD(Pathology) Consultant Pathologist